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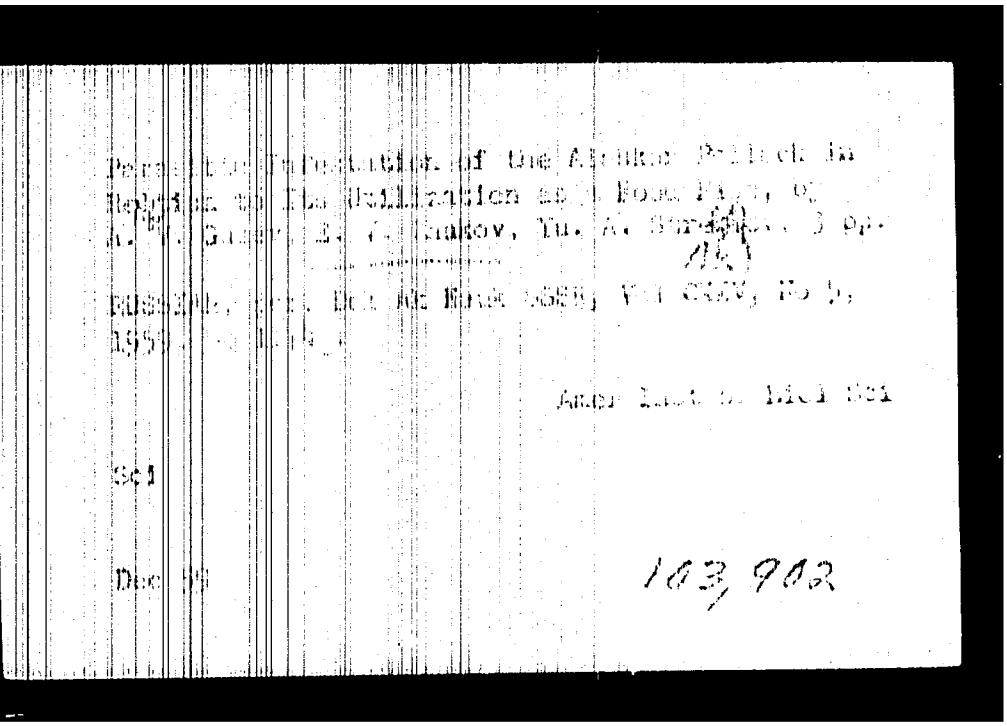

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302030050-5

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From the Experience of Efficiency Experts,
by G. N. Sedel'nikov, G. A. Zhukov

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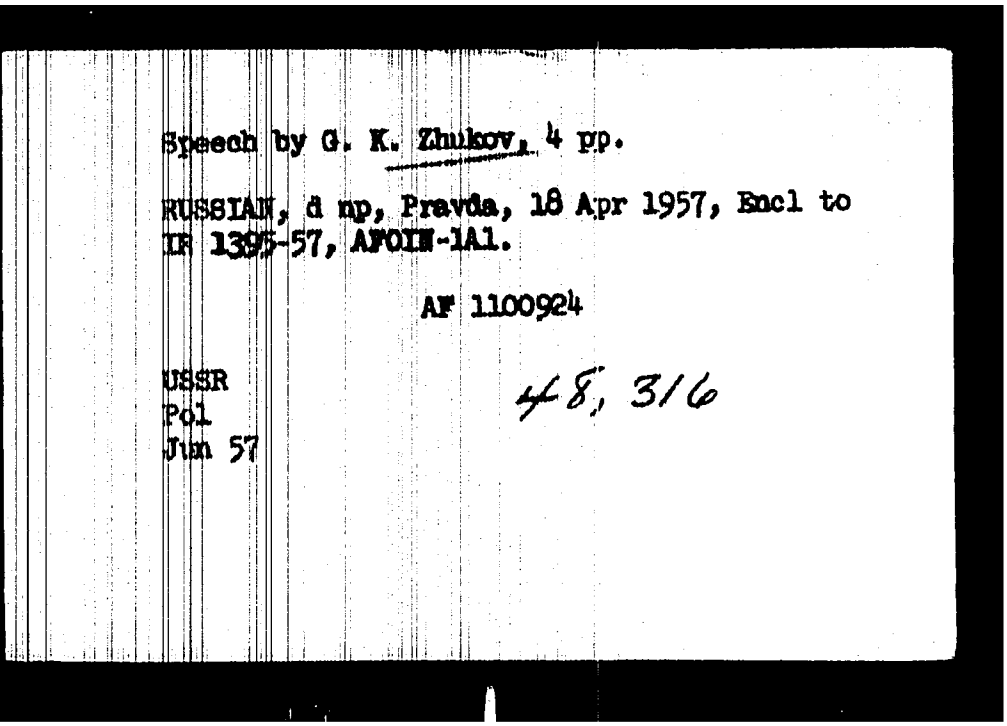

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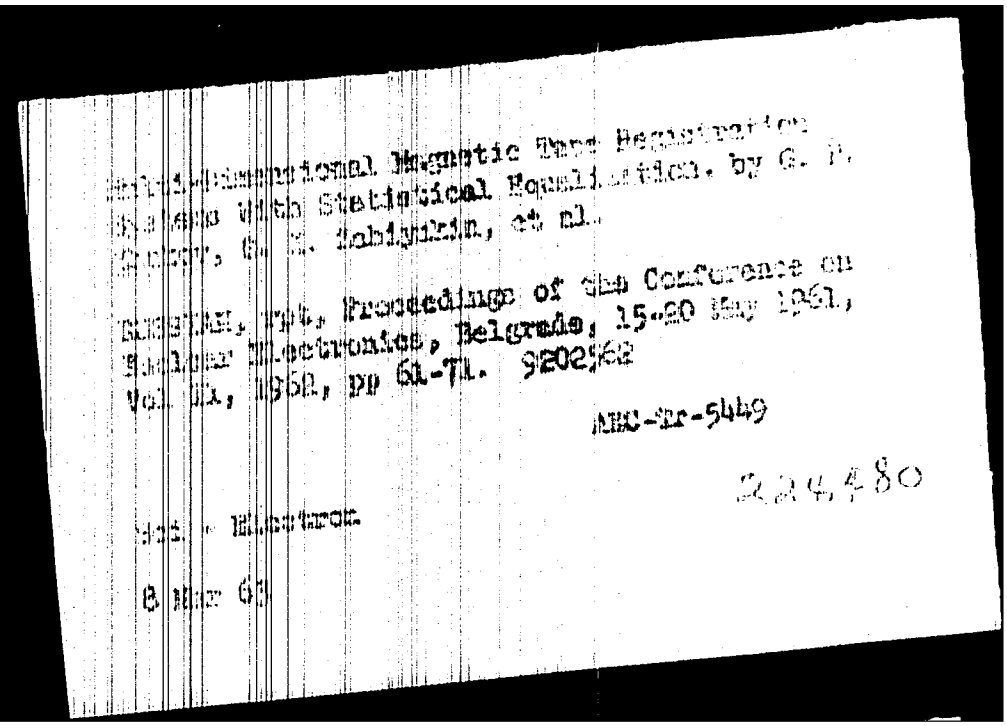

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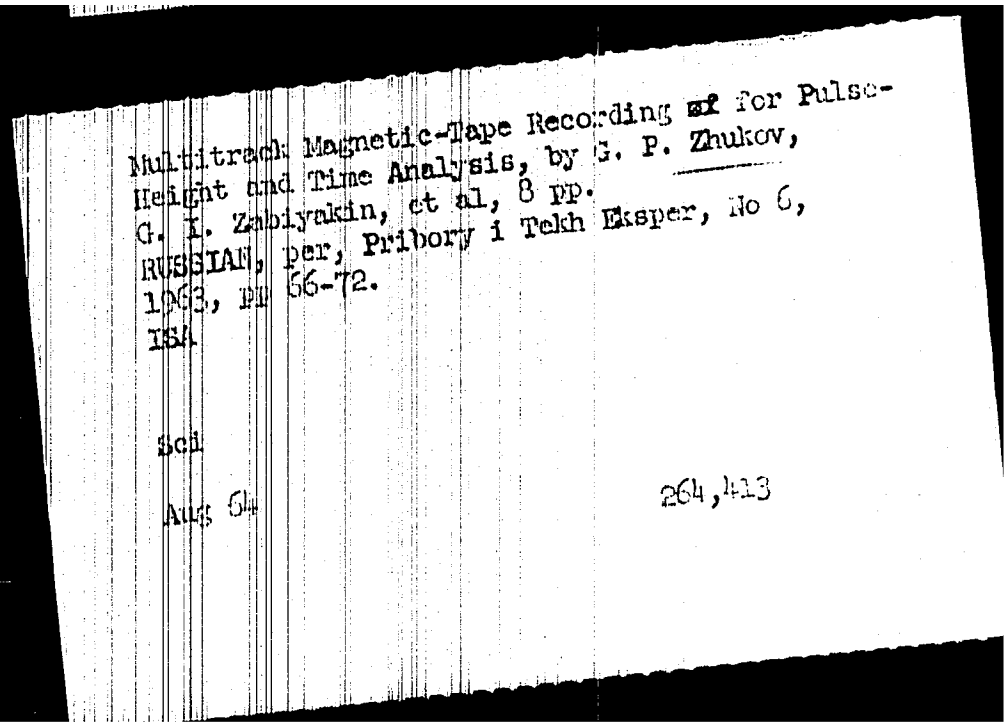

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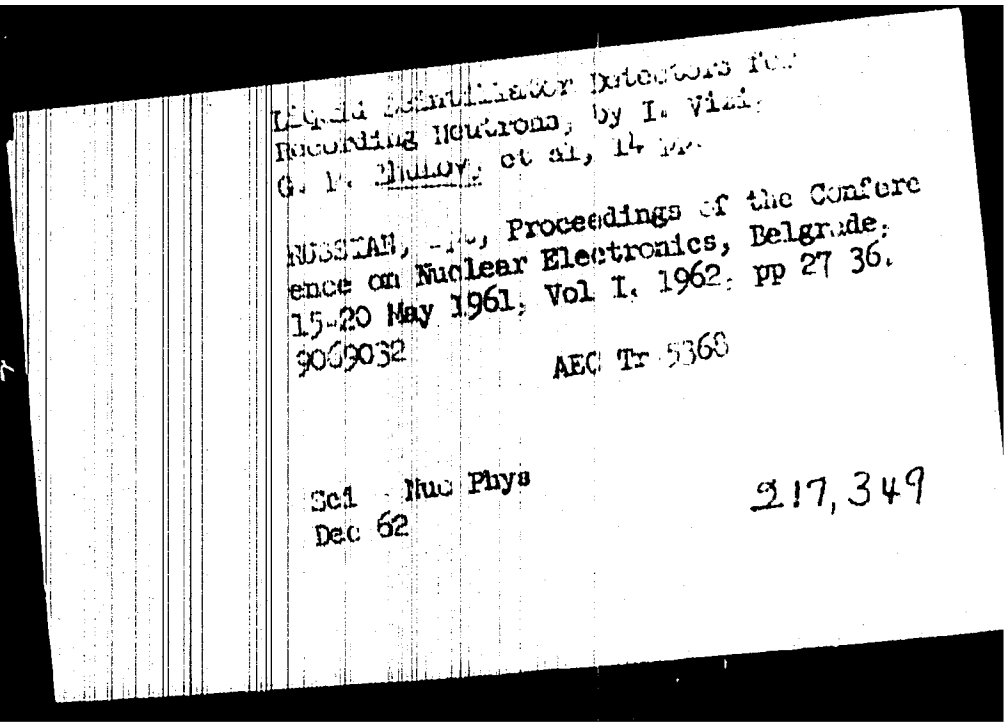

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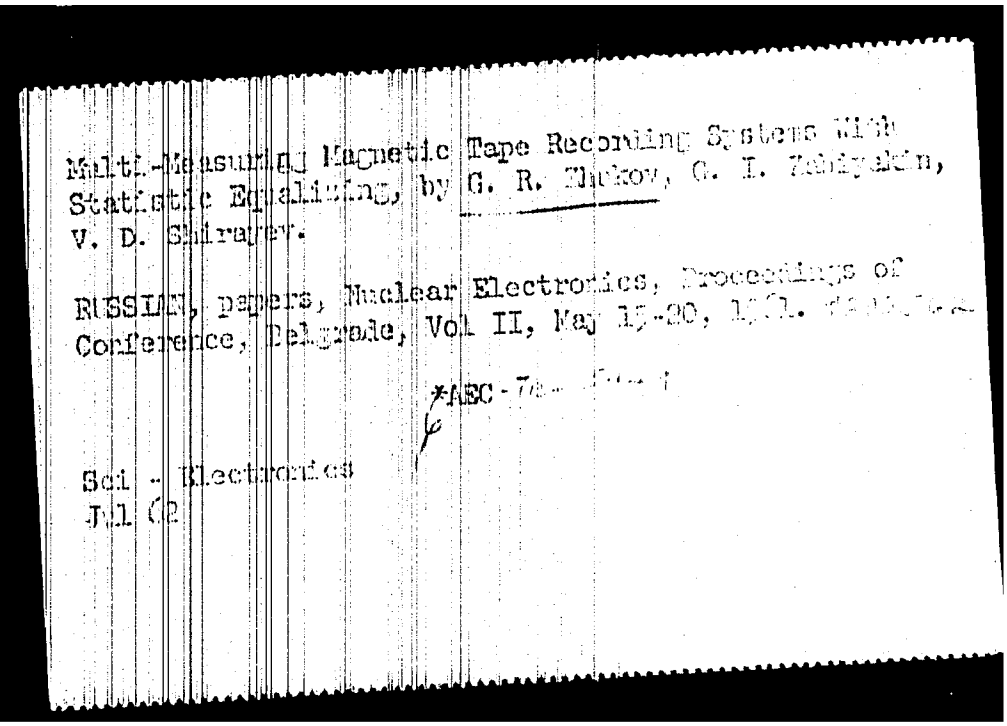

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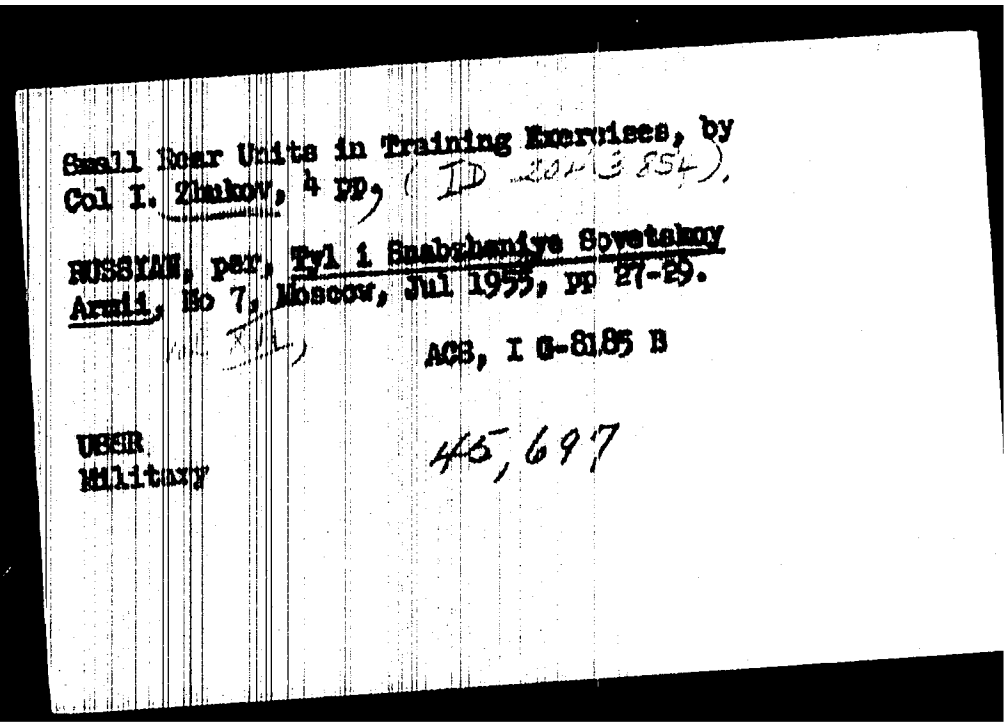

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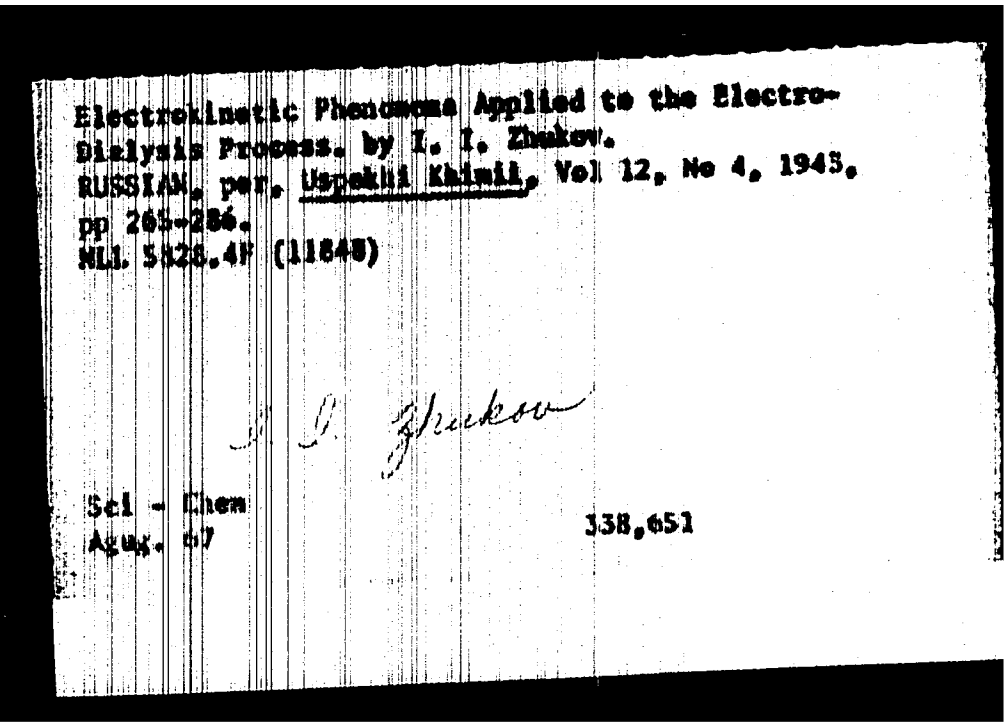

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Influence of Change in the Structure of Bacterial Protoplasts on Respiration and Inclusion of Labeled Glycine, by A. I. Oparin, N. S. Gel'man, I. G. Zhukov, 8 pp.

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Zhukov, I. I. and Fridrikhsberg, D. A.
VARIATION OF THE TRANSFER NUMBERS OF IONS IN POROUS DIAPHRAGMS. [1963] 28p 7refs
Order from CTS or SLA $2.60 63-18998

Trans. of Kolloidnyi Zhurnal (USSR) 1949, v. 11, p. 395-409.

DESCRIPTORS: *Porous materials, *Diaphragms (Mechanics), *Colloids, Ceramic materials, *Ions, *Transport properties, Kinetic theory, *Electrical double layer, Electrical conductance, Surface properties, *Electroosmosis, *Electrodialysis, Electrolysis.

The relation between transfer numbers and surface conductivity is derived and is confirmed by the experimental data on collodion and ceramic diaphragms in solutions. The theoretical consequence of the
(Chemistry--Physical, TT, v. 10, no. 12) (over)

63-18998

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Office of Technical Services

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ELECTROKINETIC CHARACTERISTICS OF CAPILLARY SYSTEMS. I. SURFACE CONDUCTANCE.
[1963] [17p] 11refs
Order from: OTS, SLA, or BTC $1.60 TT-63-20814

Trans. of Kolloidnyi Zhurnal (USSR) 1949, v. 11, no. 3, p. 163-171. (Abstract available)

DESCRIPTORS: *Porous materials, Ceramic materials, Cellulose nitrates, *Diaphragms (Mechanics), *Electroosmosis, Surface properties, Density.

As result of the measurement of the surface conductance of collodion (r from 4 to 50 mμ) and ceramic diaphragms in solutions of 1, 2, 5, 10 m-mol./l KCl it is shown that the ratio K of the solution conductance in the pores of the diaphragm to the conductance of the surrounding solution can attain very high values (K<7) (Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-63-20814

1. Title: Capillary systems
I. Zhukov, I. I.
II. Fridrikhsberg, D. A.
III. Title: Surface . . .

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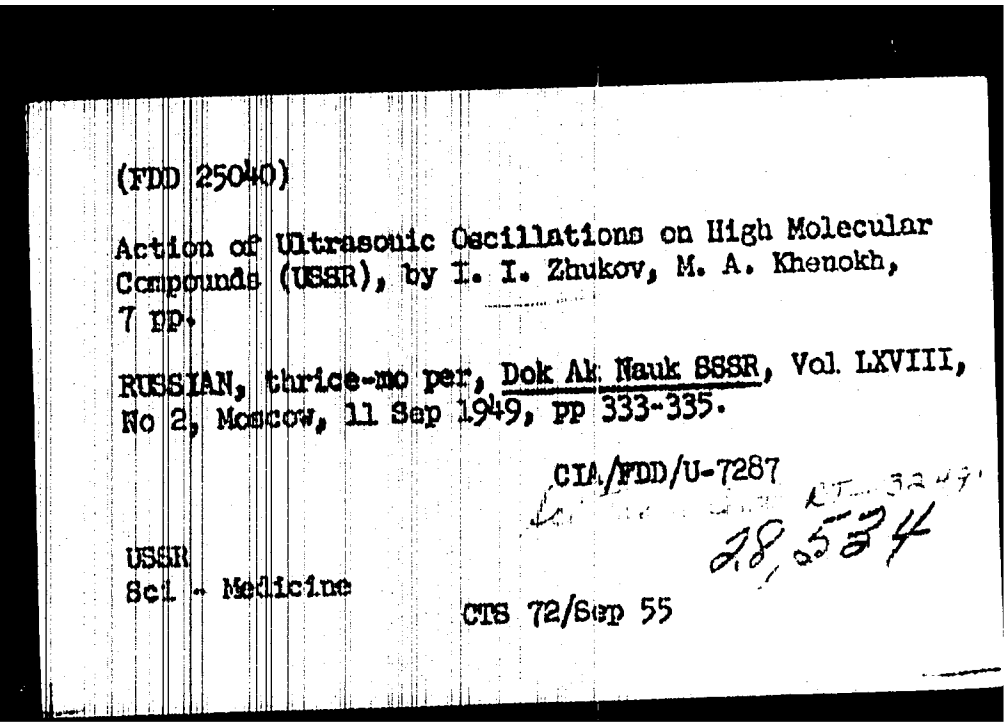

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ZHUKOV, I. I.
FRIDRIKHSBERG, D. A.

The Electrokinetic Properties of Capillary Systems.
I. Surface Conductivity.

RUSSIAN, Kolloid Zhur, Vol XI, No 3, 1949, pp 163 - 71.

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The Electrokinetic Properties of Capillary Systems. I. Surface Conductivity, by I. I. Zhukov, D. A. Fridrikhsberg.

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Experimental Spring Adaptation of Virgin Soils in Siberia, by A. I. Shevlyagin, P. A. Yakhtenfel'd, I. N. Zhukov

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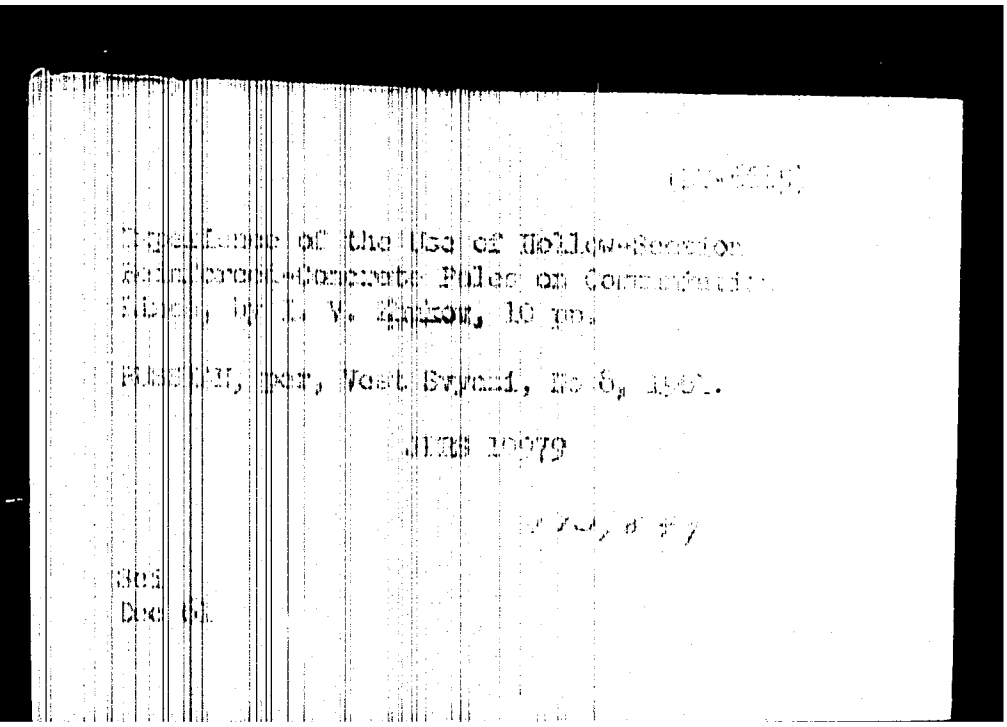

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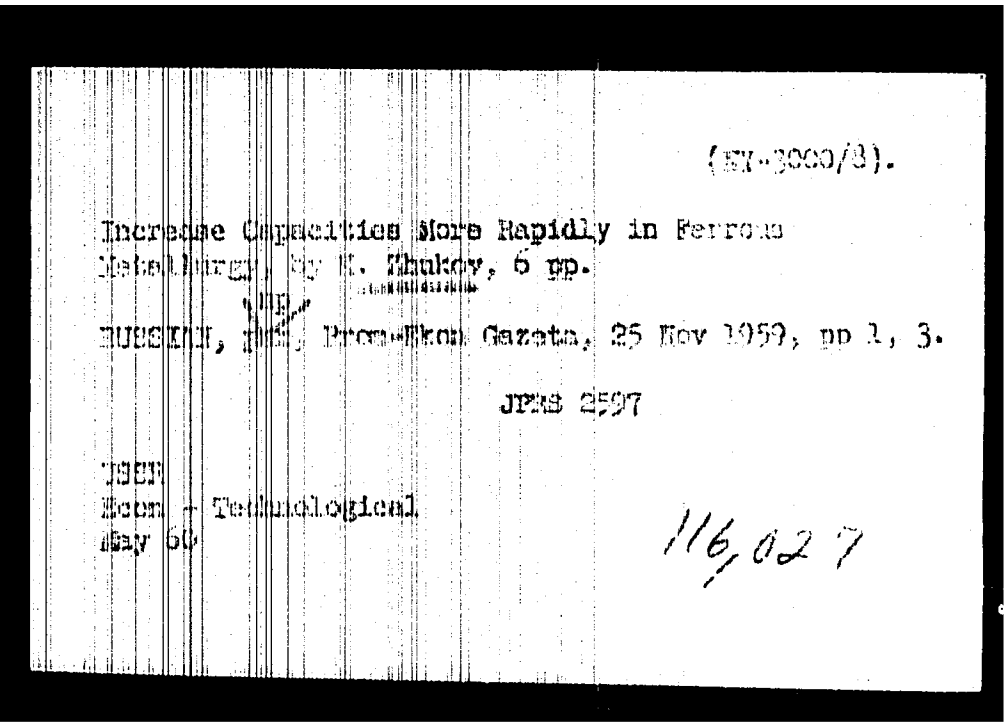

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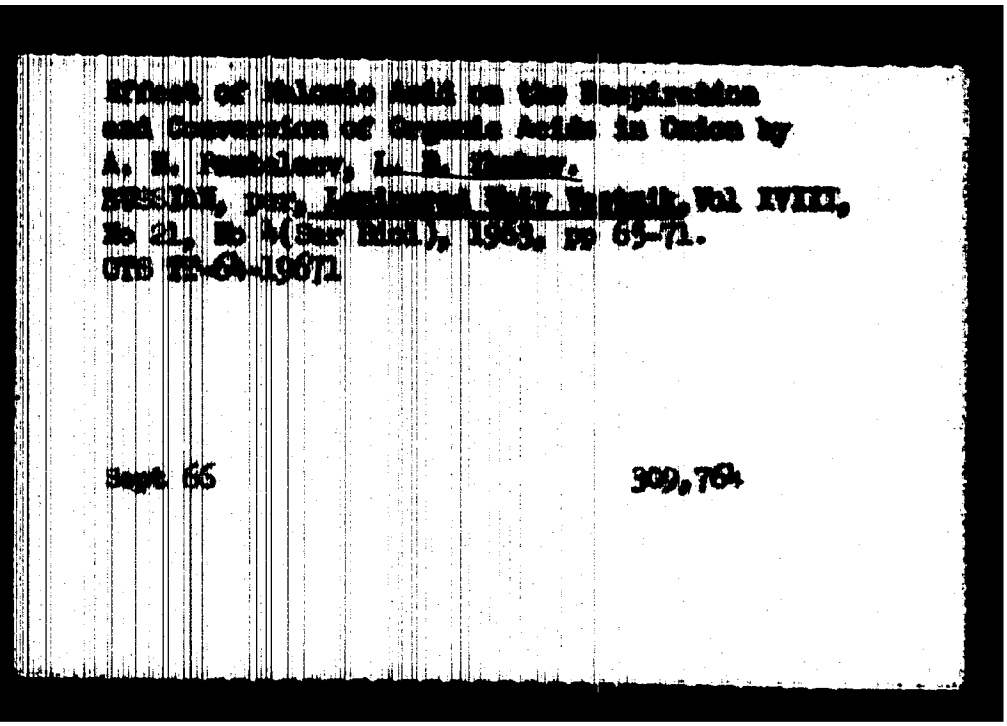

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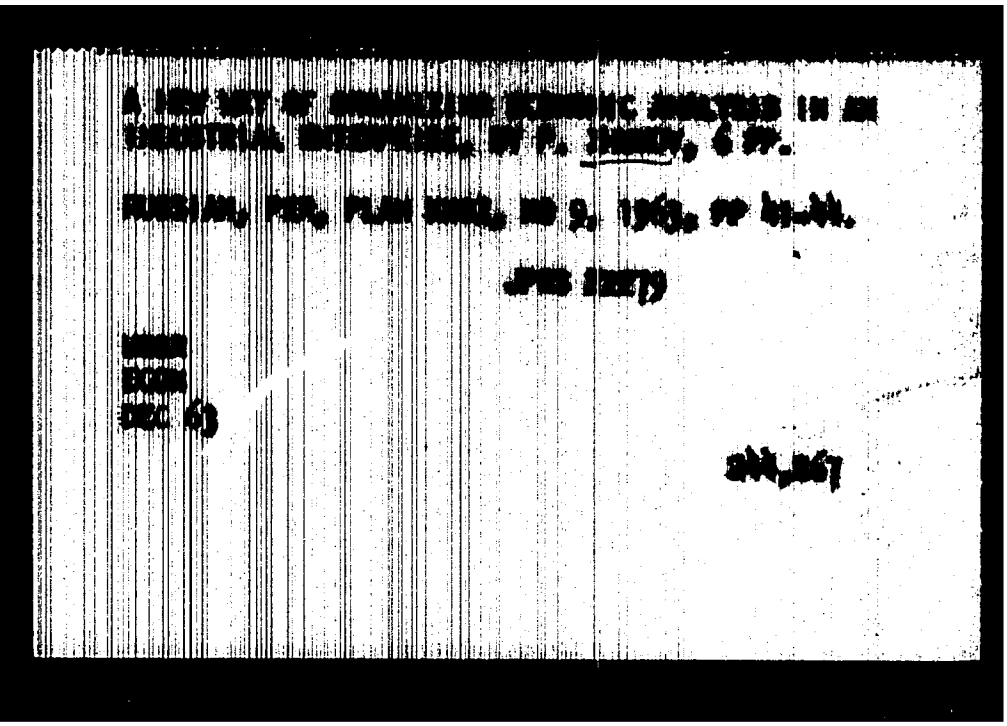

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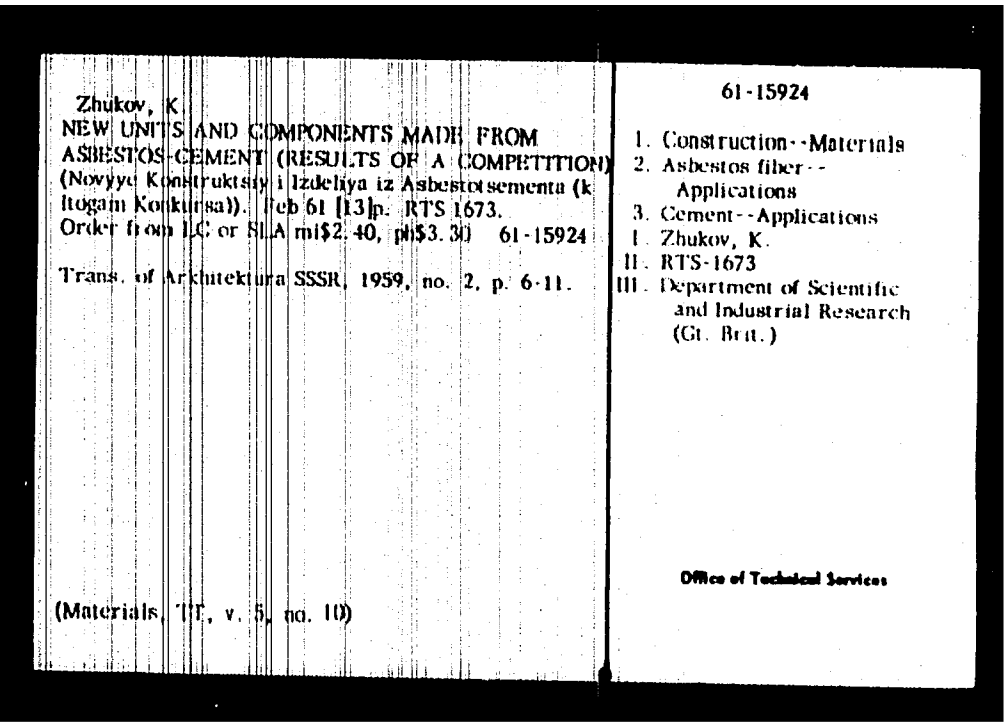

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1. Construction--Materials
2. Asbestos fiber--Applications
3. Cement--Applications
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III. Department of Scientific and Industrial Research (Gt. Brit.)

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SUBJECT, bk, Voprosy Arkhitektury Panel'nykh Zhilykh Domov, 1956, pp 51-68.

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One Hundred Million Operations Per Second, by Dmitriy Zhukov, 6 pp.

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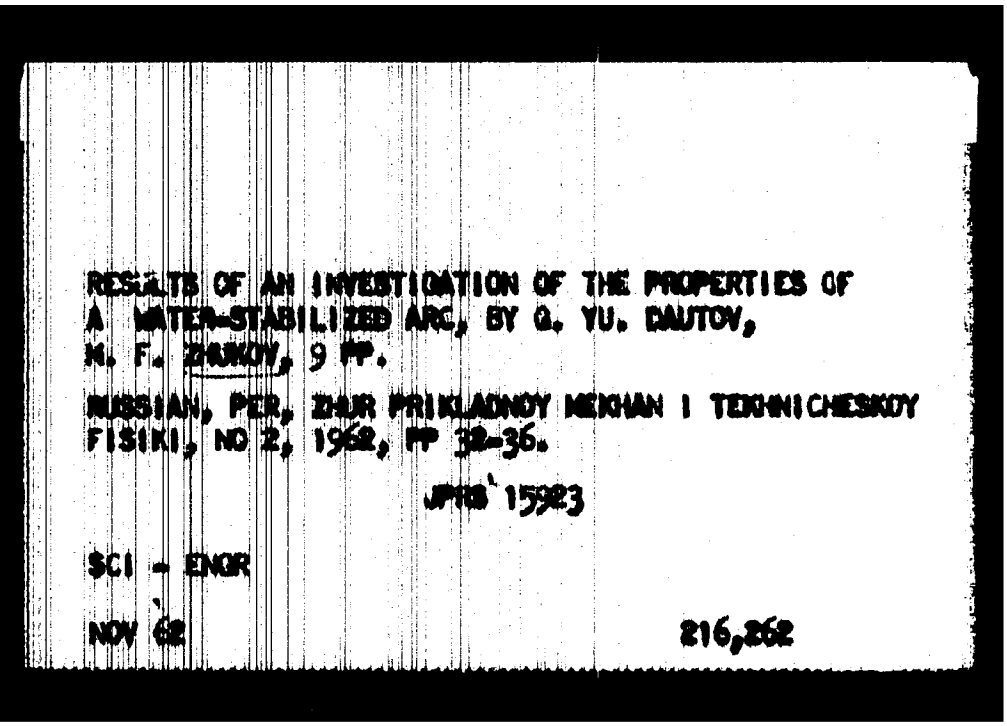
RESULTS OF AN INVESTIGATION OF THE PROPERTIES OF
A WATER-STABILIZED ARC, BY O. YU. DAUTOV,
M. F. ZHUKOV, 9 PP.
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The Operation of a Plasmatron Having an Air-Stabilized Arc, by G. Yu. Dautov, M. F. Zhukov, V. Ya. Gamolyakov, 14 pp.

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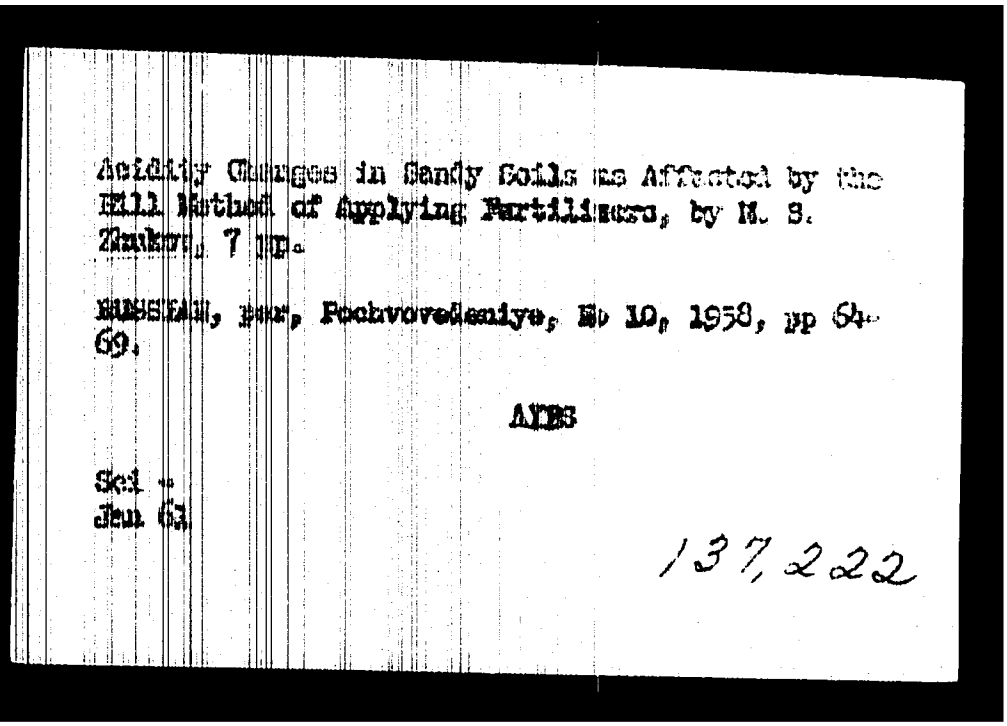

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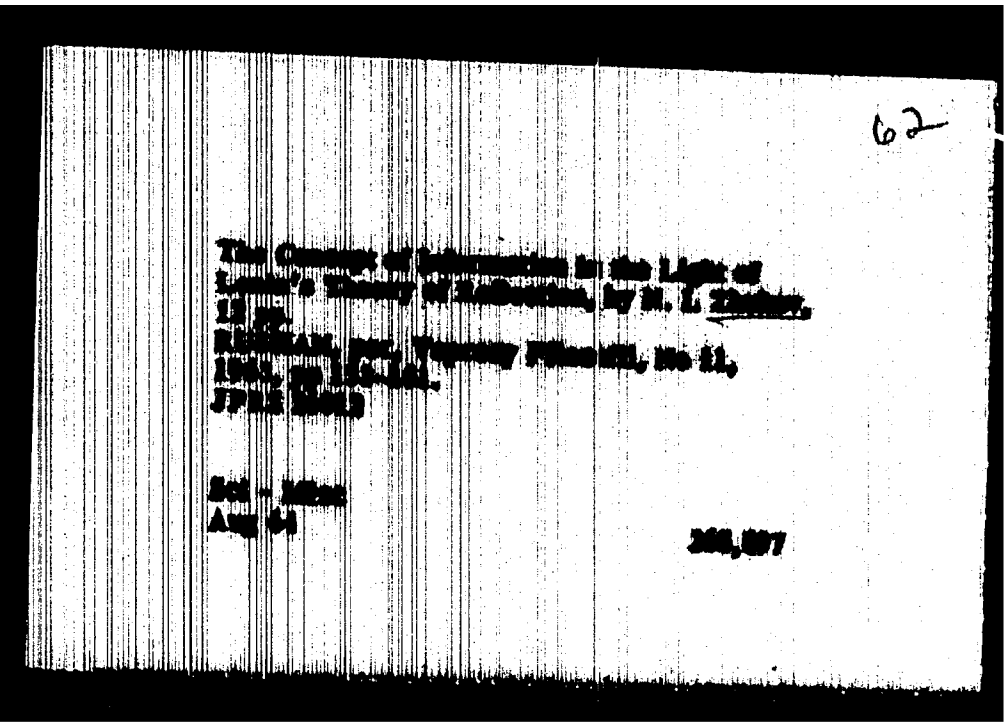

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Plastic and Viscous Properties of Clay Paste Under Normal Load, by A. M. Gutkin, N. V. Zhukov, 7 pp.

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Specialization in a Major Economic Region: The Urals, by P. Zhukov, V. Ganshtak, 12 pp.

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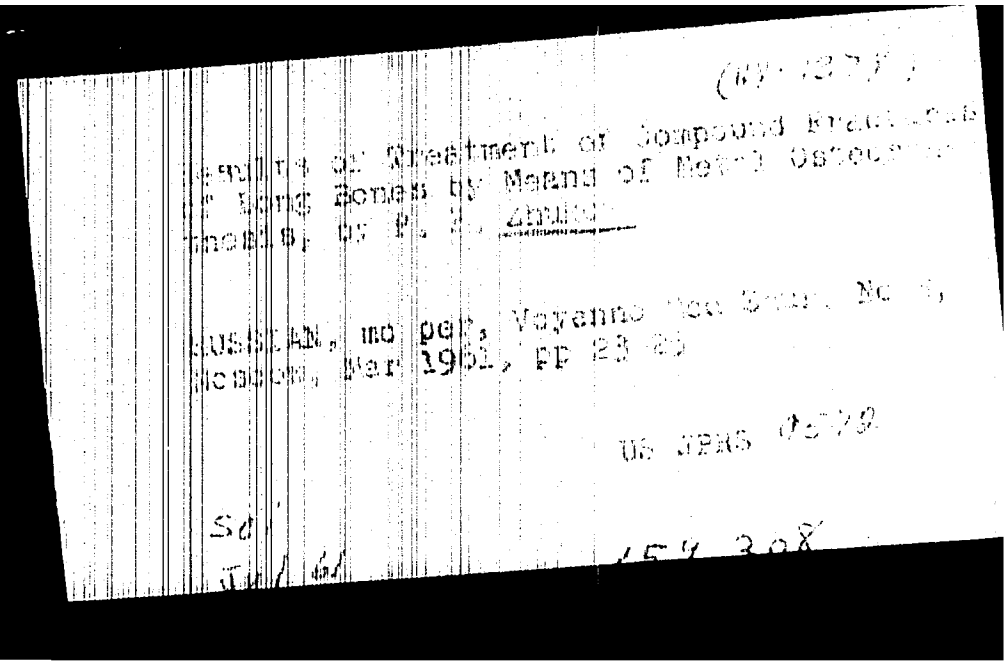

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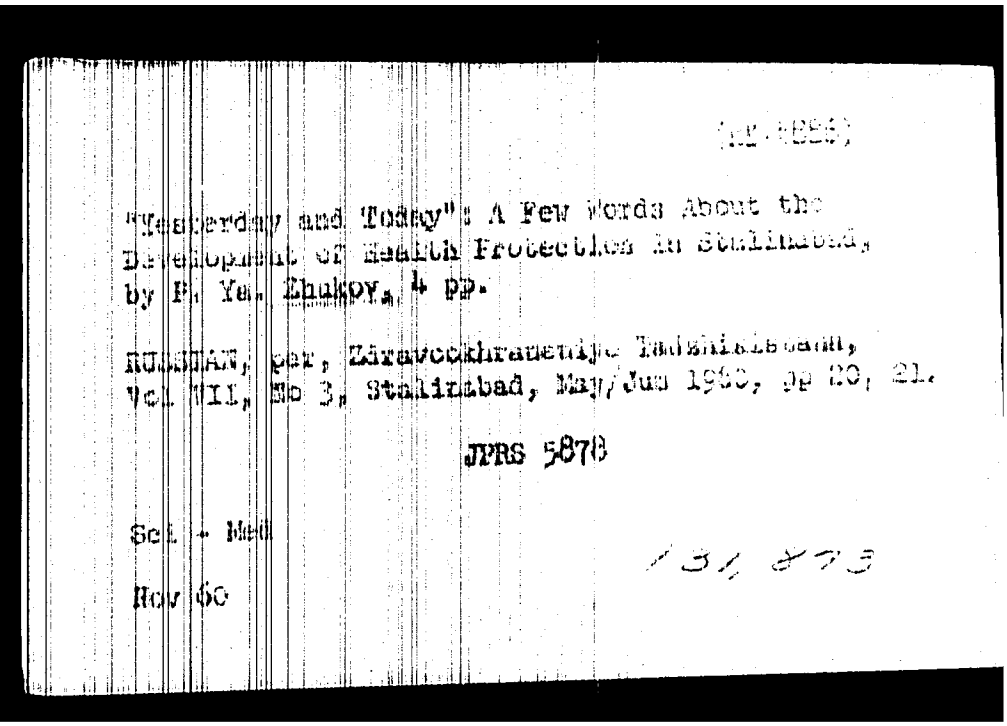

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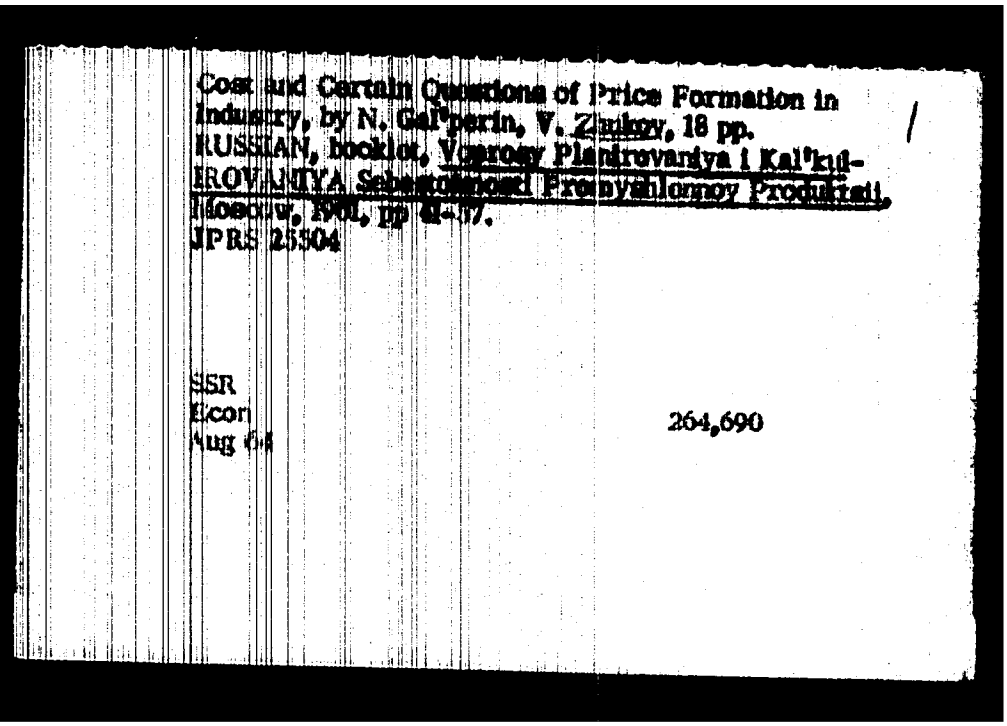

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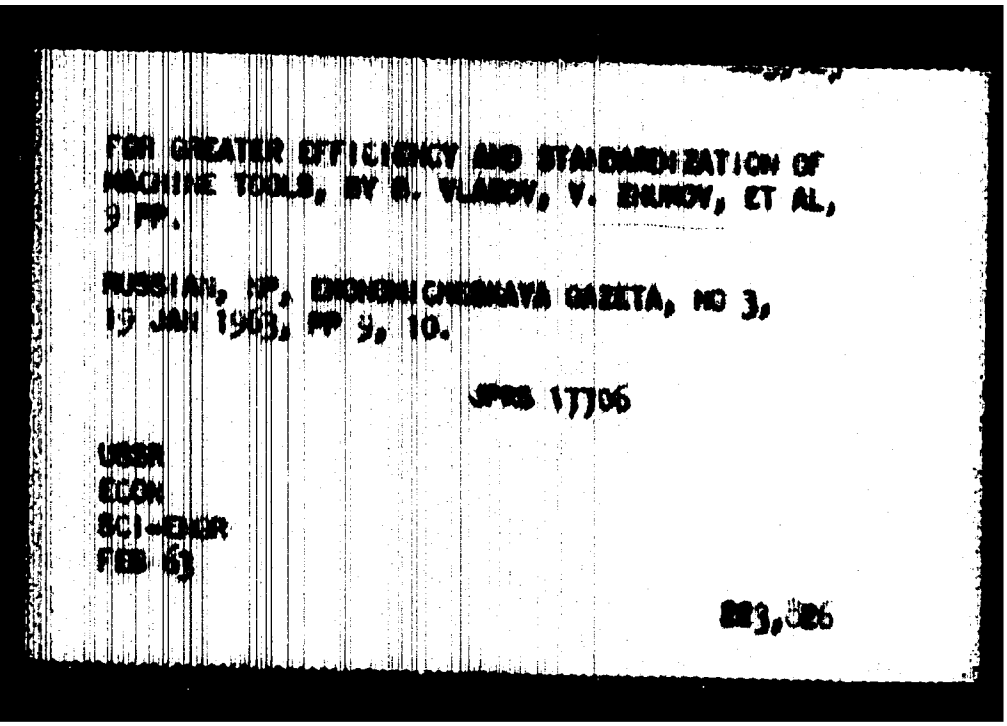

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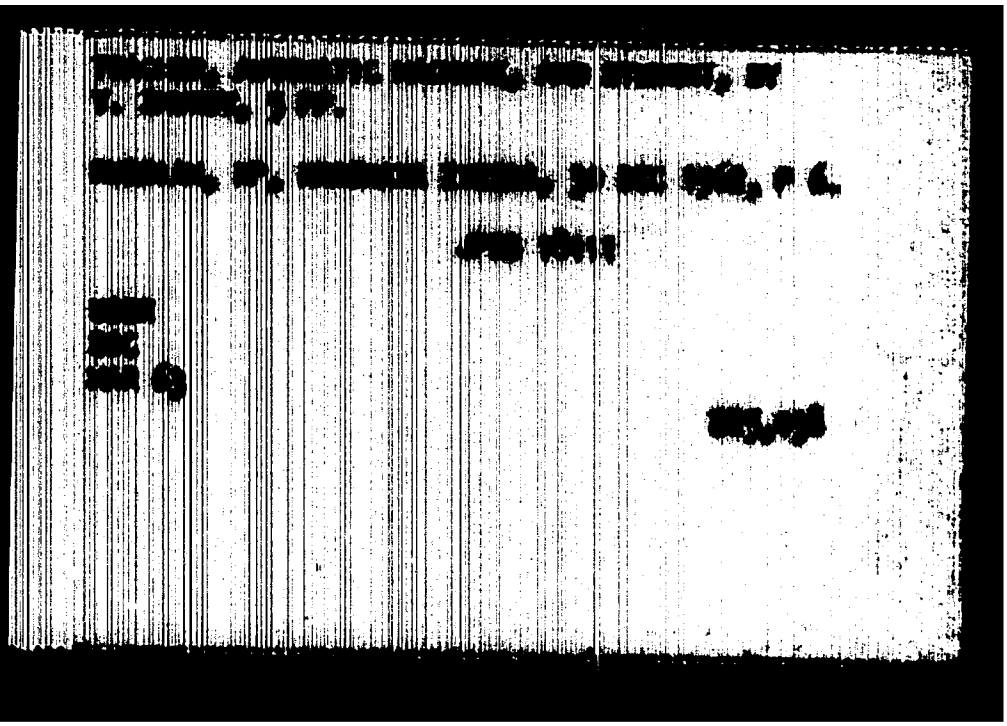

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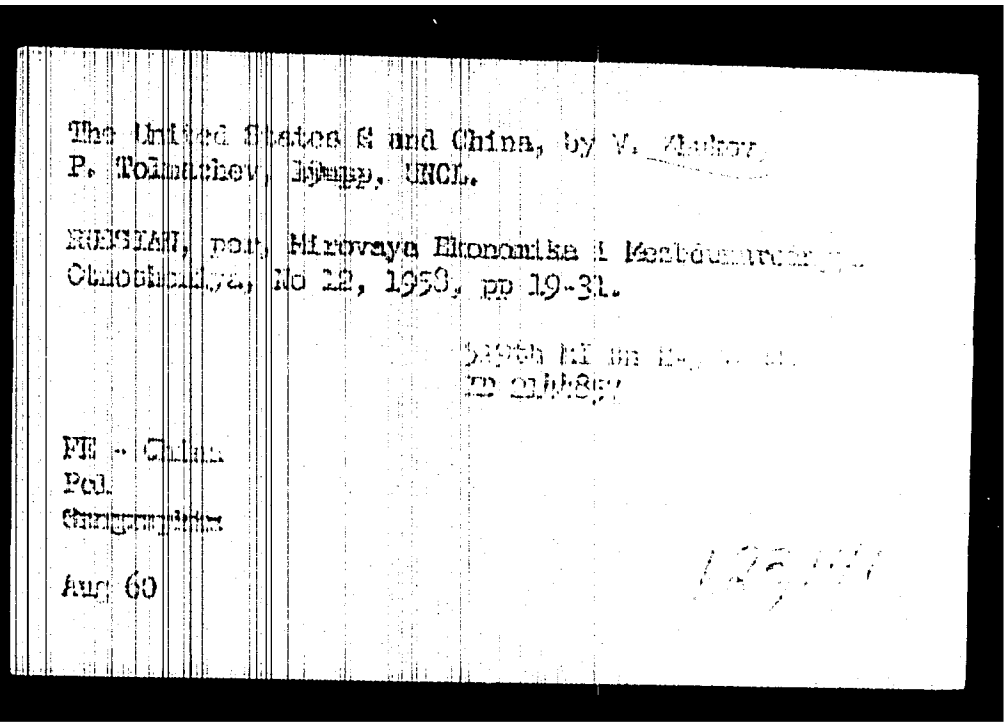

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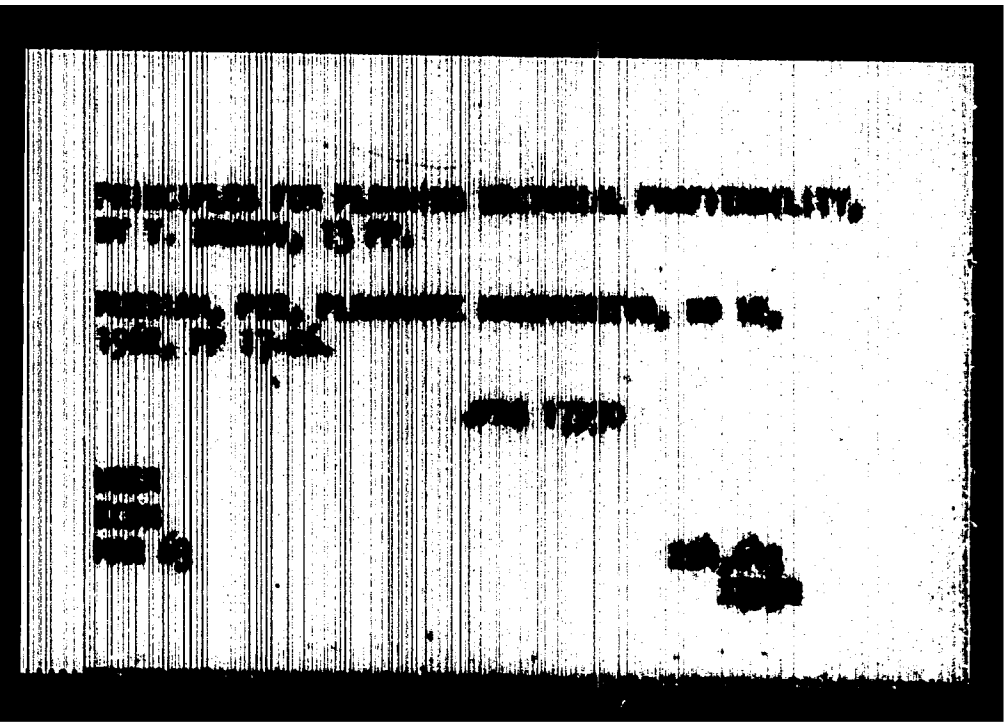

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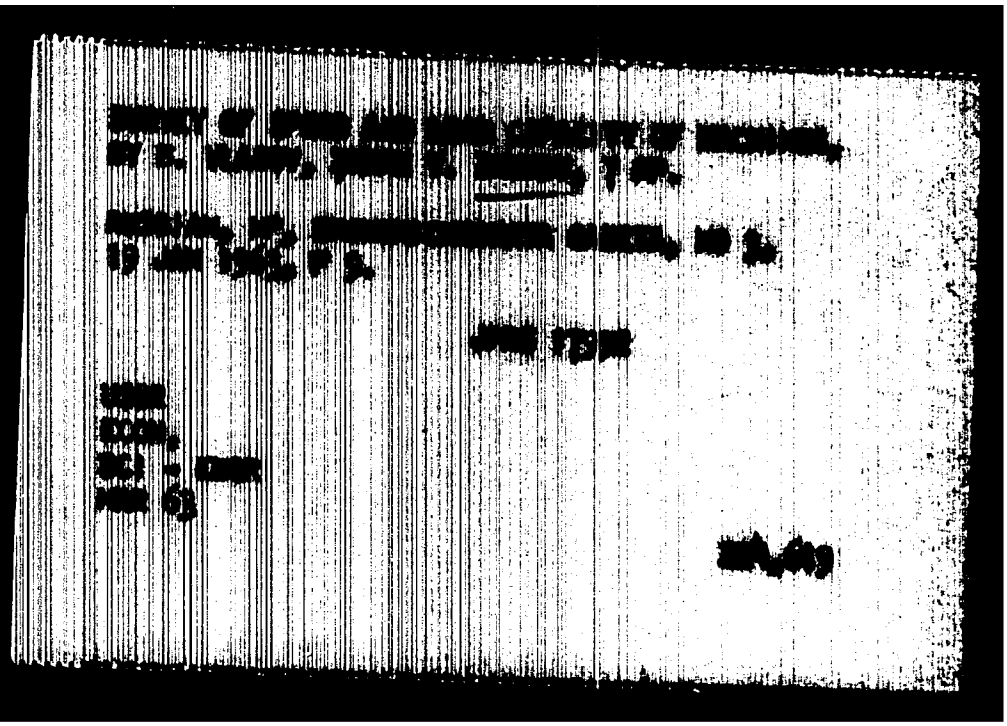

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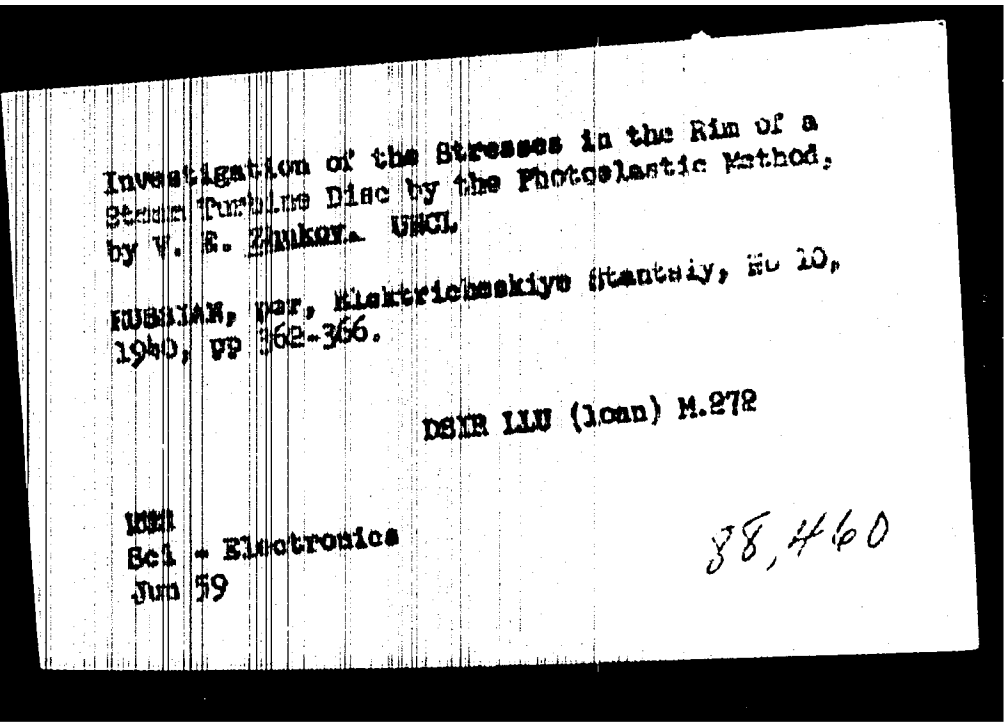

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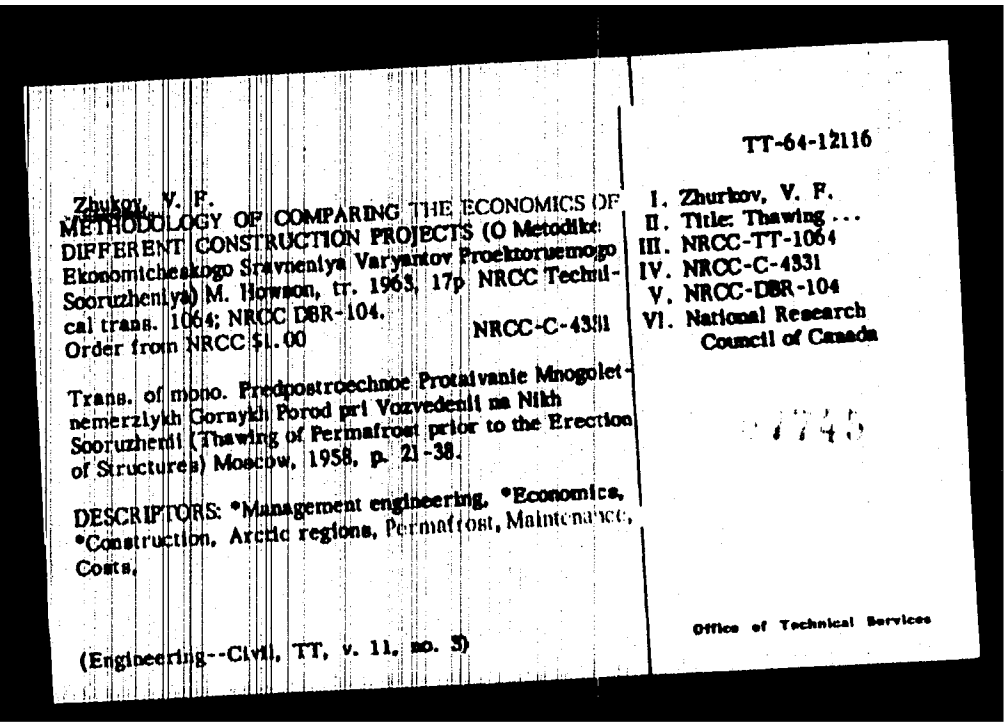

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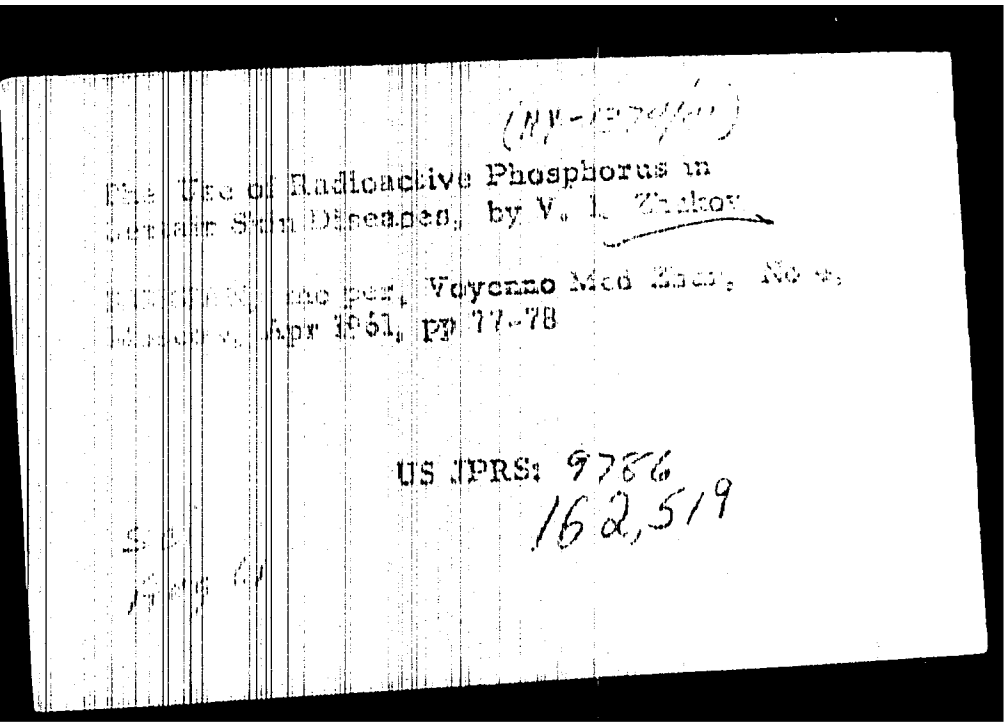

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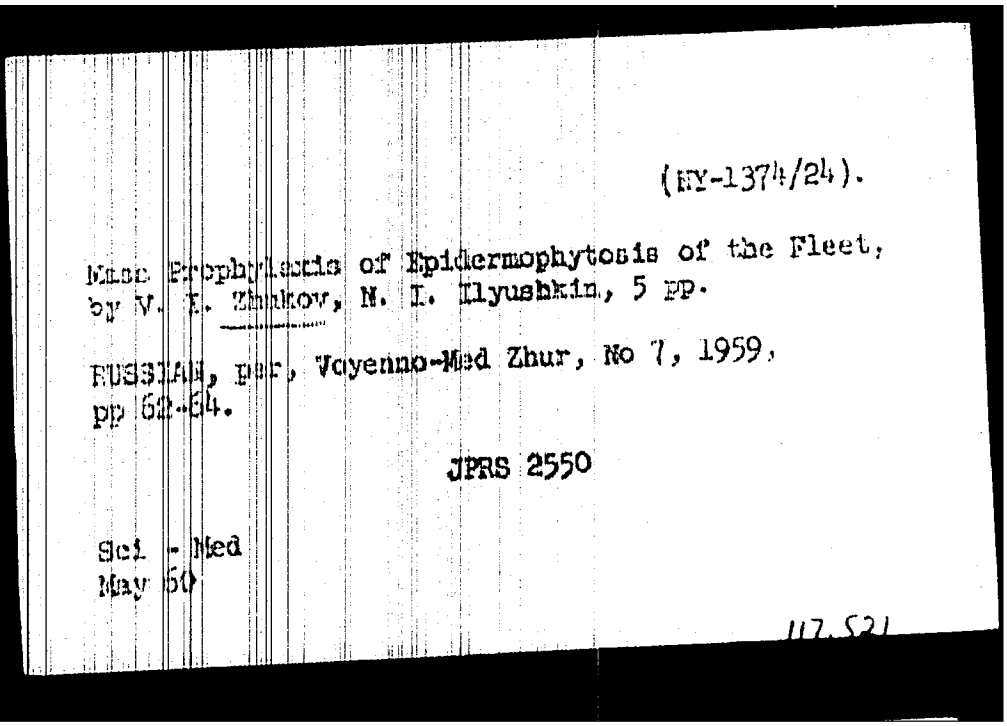

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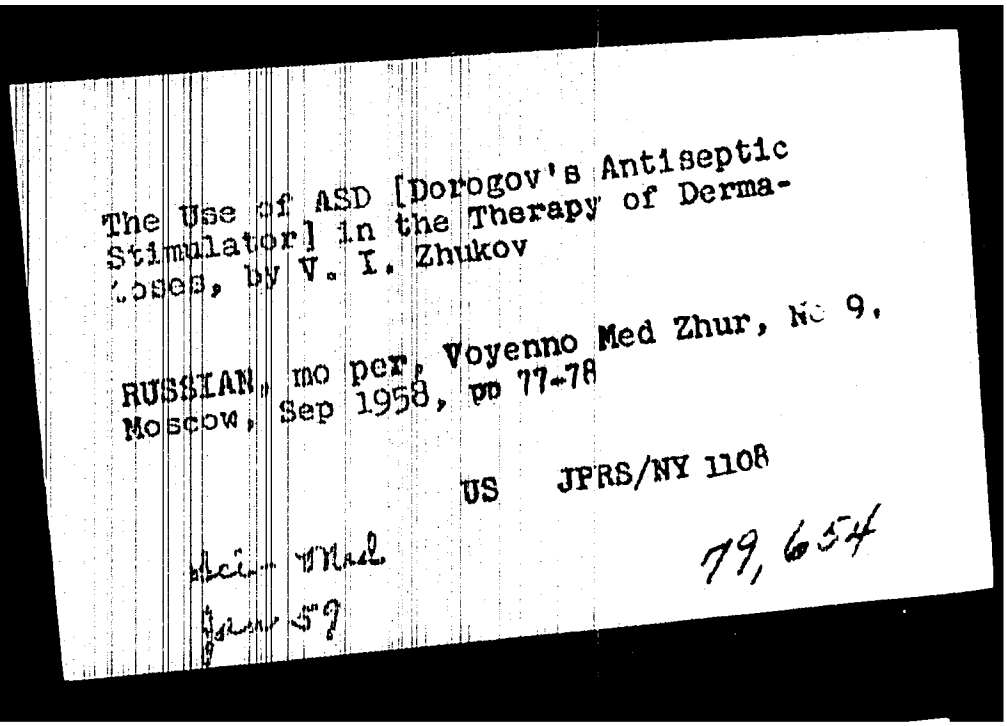

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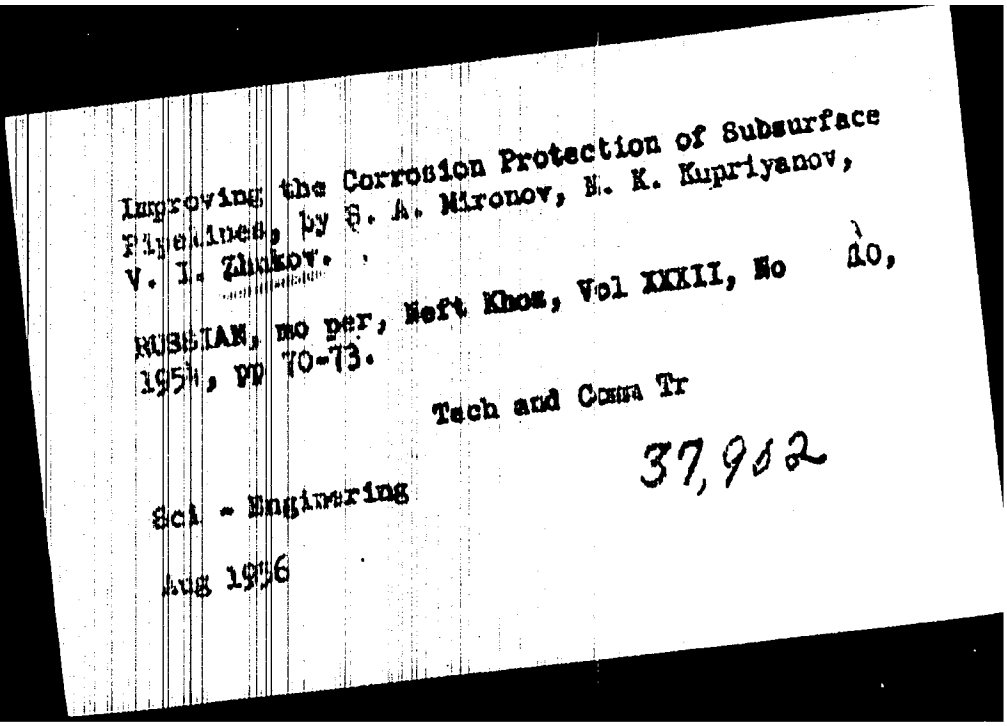

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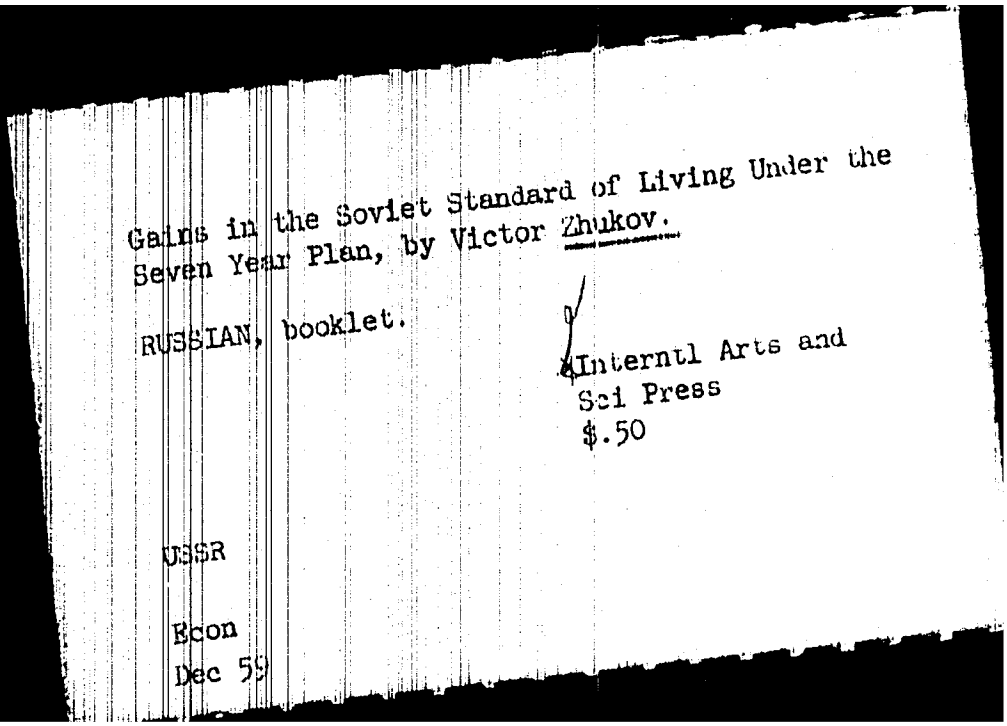

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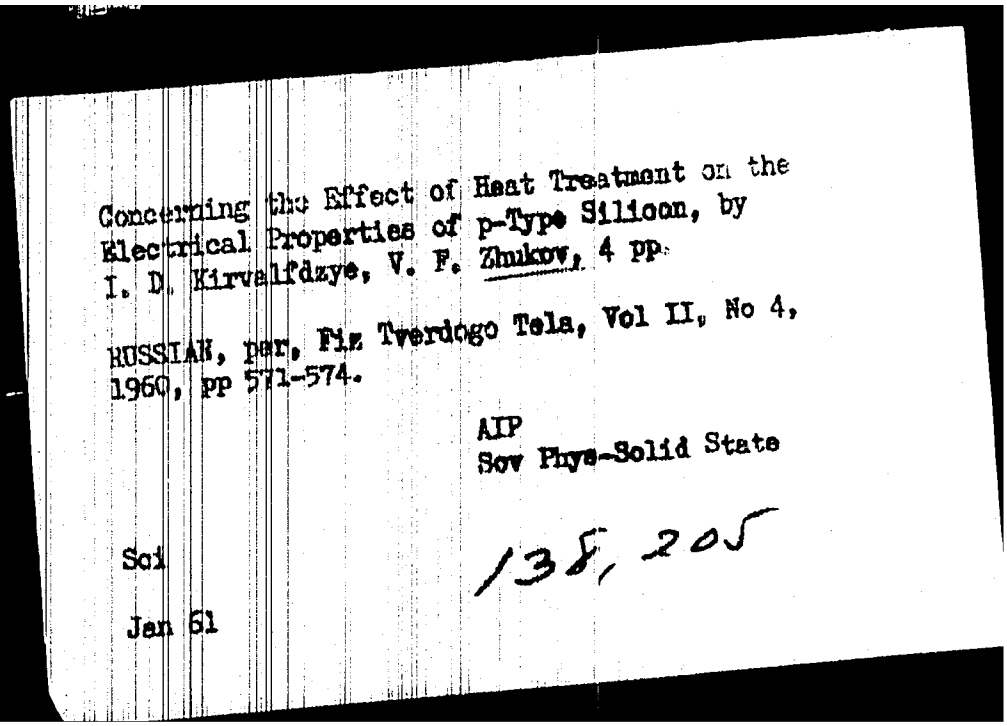

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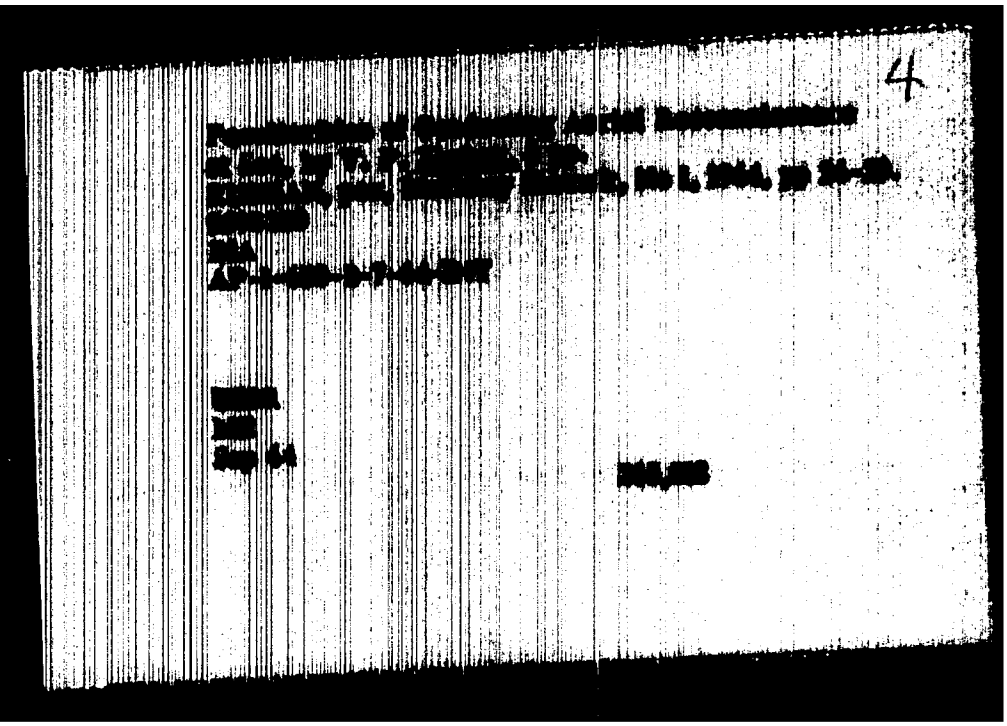

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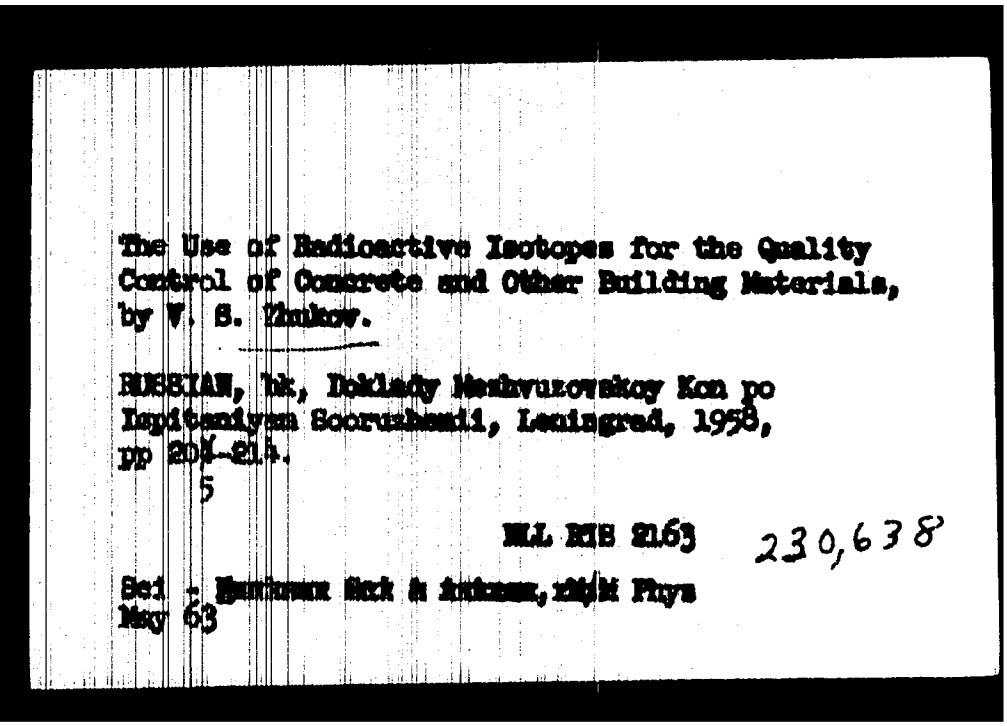

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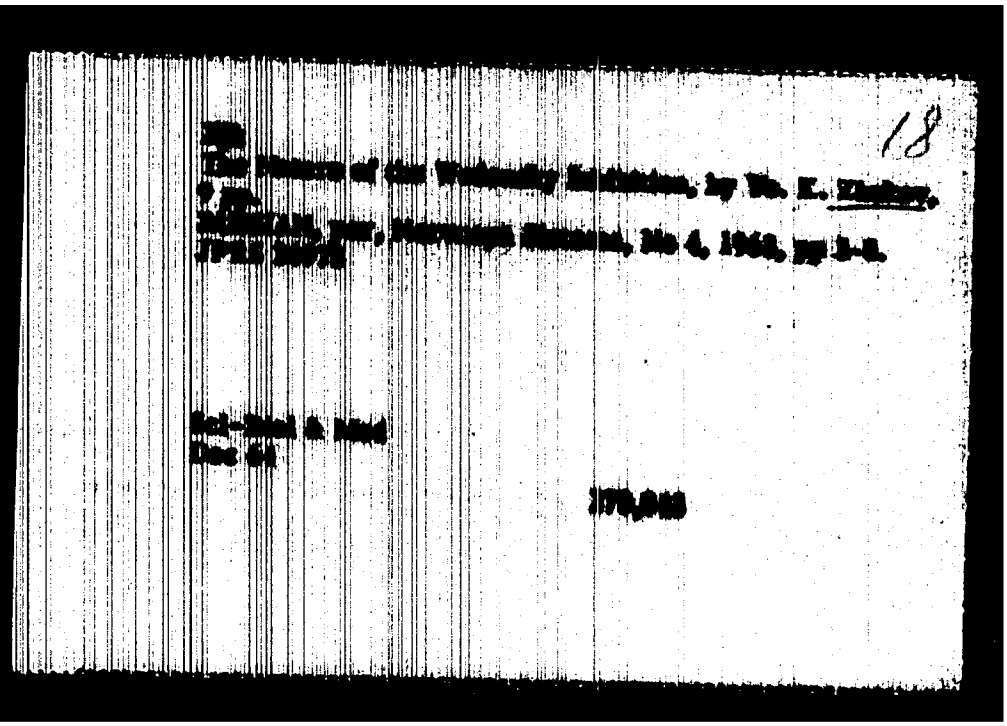

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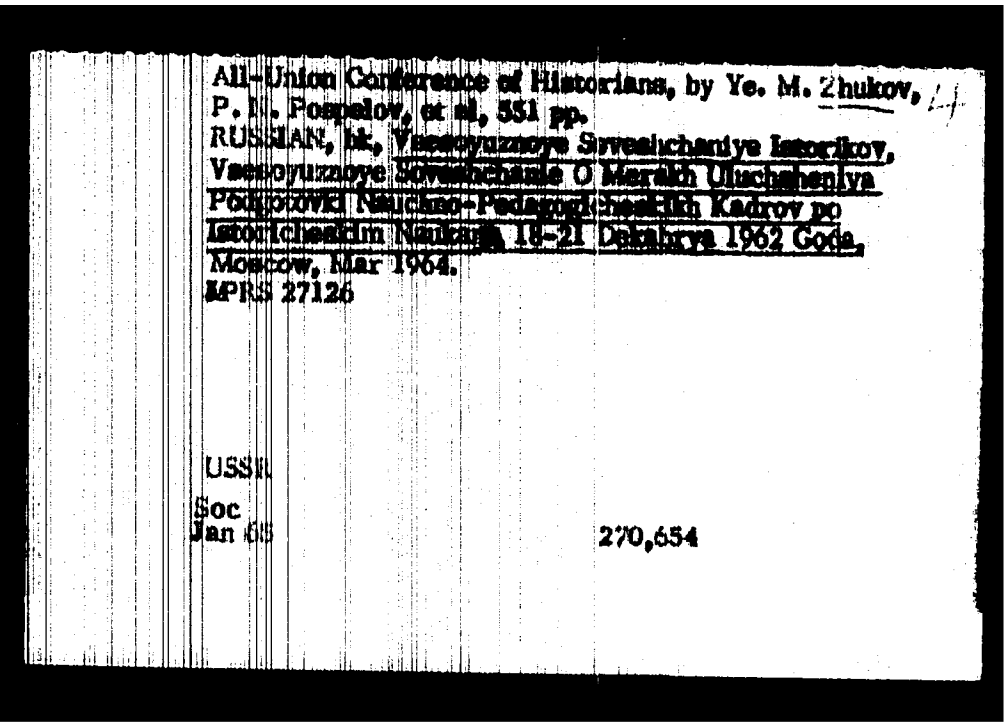

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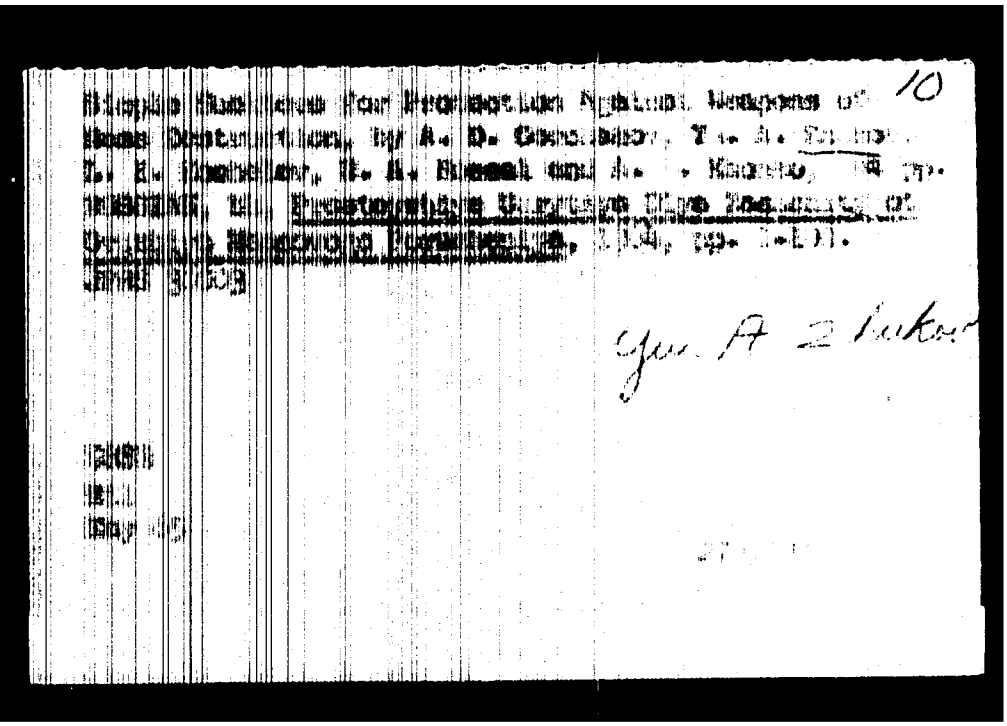

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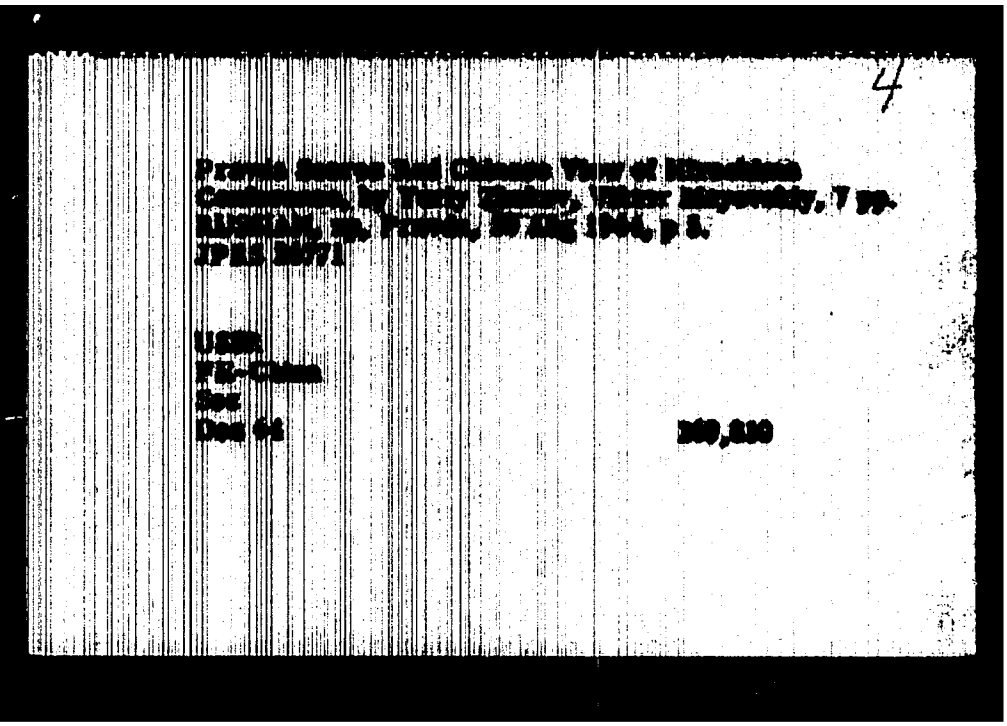

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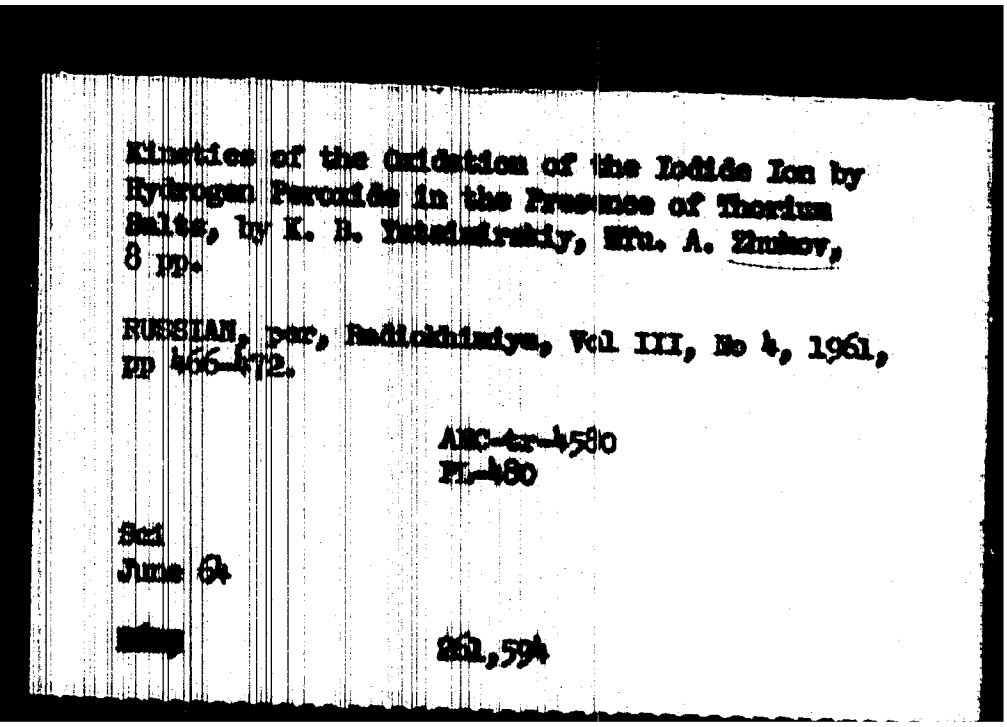

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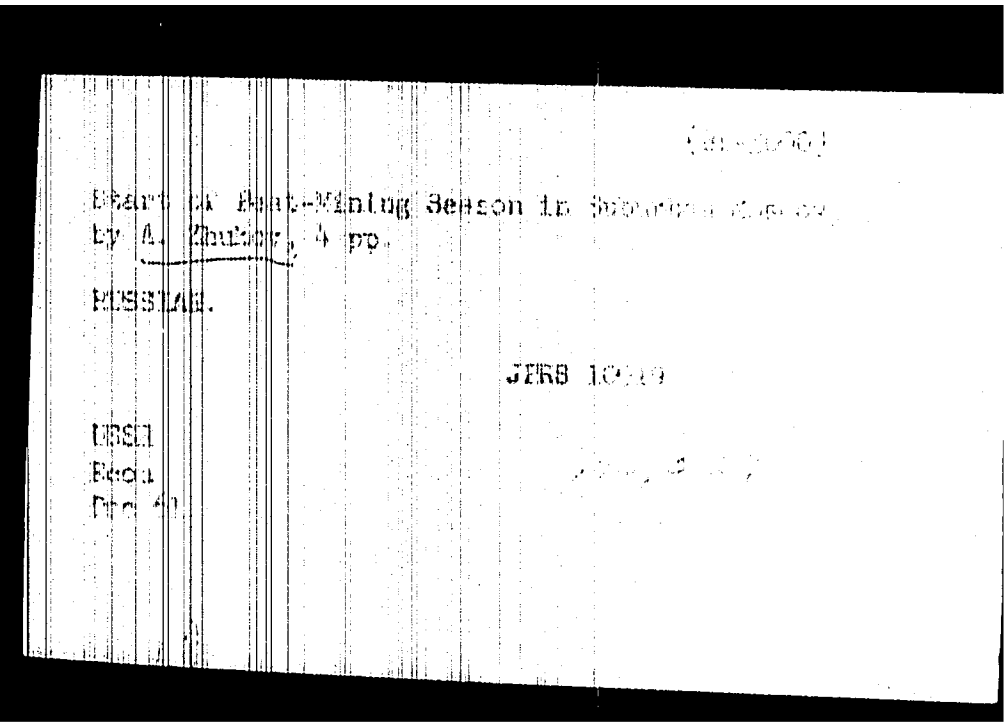

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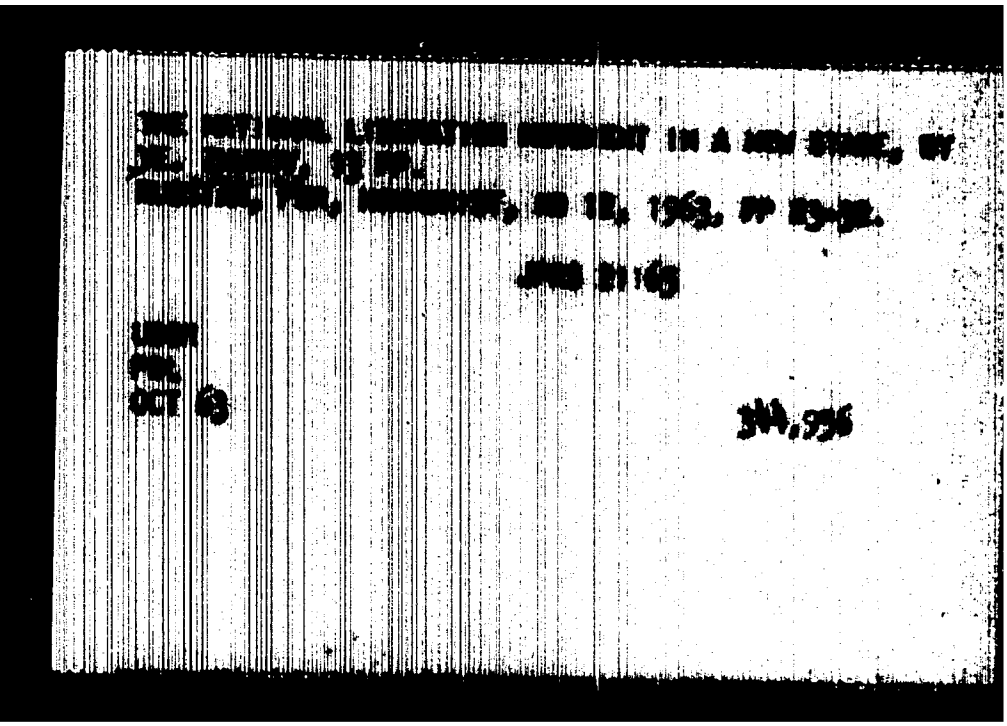

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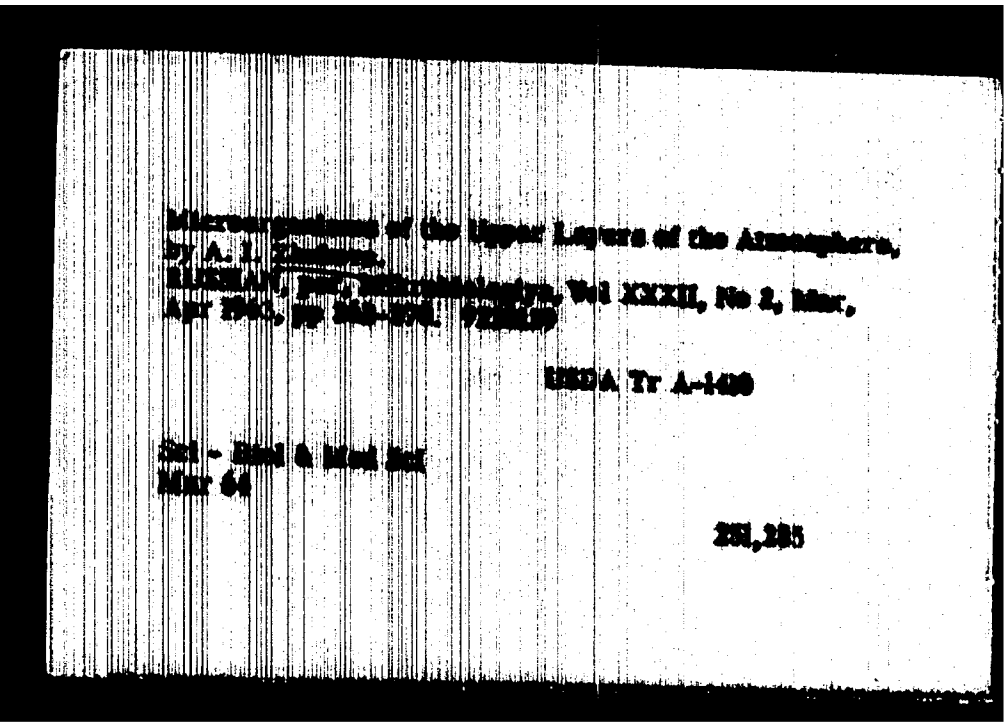

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